Claims

1. Compounds of general formula I

$$R^{17}$$

in which

 R^3 represents a group R^{19} -O-, R^{20} SO₂-O-, or -O-C(O) R^{21} ;

n represents 3, 4, or 5:

X represents a group of formula II

$$Y \stackrel{\mathsf{W}}{\underset{\mathsf{Z}}{\longleftarrow}}$$

II

in which

Z and W, independently of one another, represent R¹⁹,

or

Z and W together represent an oxygen atom,

Y represents OR¹⁹, -CN, -SCN, a halogen atom, R²⁰, R²⁰SO₂-O-;

or

Y represents R^{19} or R^{20} , if Z and W together represent an oxygen atom;

 R^{17} and R^{17} together represent an oxygen atom, or a group = $CR^{23}R^{24}$,

in which

 R^{23} and R^{24} , independently of one another, represent a hydrogen atom or a halogen;

or

 R^{17} represents hydrogen, -OR¹⁹ or halogen;

represents R¹⁹, -OR¹⁹, halogen, R²⁰SO₂-O-, -C(O)R²¹ or R¹⁷ $-O-C(O)R^{21}$;

R¹⁹ represents a hydrogen atom, a radical of formula $C_pF_qH_r$ with p = 1, 2, 3, 4, 5, 6, 7, 8, 9; <math>q > 1 and q+r = 2p+1;

> an unbranched C₁-C₈-alkyl group or branched C₃-C₆-alkyl group, a C₃-C₆-cycloalkyl group that is optionally substituted with a phenyl radical, a (C₃-C₆-cycloalkyl)-C₁-C₄-alkylene group, a branched or unbranched C₂–C₅-alkenyl group, a C₂–C₅-alkinyl group; or an unsubstituted or substituted aryl-, heteroaryl-, heterocyclyl-, aryl-C₁-C₄-alkylene-, or heteroaryl-C₁-C₄-alkylene group;

represents an R²¹R²²N- group, a group -C(NOR¹⁹)H, or a group of R^{20} general formula III

$$_{m}(CH_{2}) < \bigvee_{N} (CH_{2})_{o}$$

in which

m

represents $-CH_2$ -, an oxygen atom or a sulfur atom, or $=N-R^{25}$; V represents 0, 1, 2, 3, 4, 5, 6, 7 or 8;

represents 0, 1, 2, 3, 4, 5, 6, 7 or 8, 0

whereby their sum

m + o is 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12;

R²¹ and R²², independently of one another, represent R¹⁹;

- R^{25} represents R^{19} , $R^{20}SO_2$ or an acyl group $-C(O)R^{21}$.
- 2. Compounds of general formula I according to claim 1, characterized in that Y = -OH, -CN, -SCN, a halogen, or R^{20} .
- 3. Compounds of general formula I according to claim 1, wherein $Y = R^{20}$, if Z and W together represent an oxygen atom.
- 4. Compounds of general formula I according to claim 1, wherein
- Y represents –OH, –CN, –SCN, a halogen atom, or R²⁰;

and

R¹⁷ and R¹⁷ together represent an oxygen atom,

or

- R¹⁷ represents hydrogen, or -OH;
- R¹⁷ represents hydrogen, -OH, C₁-C₄-alkyl group, C₂-C₅-alkenyl group, a C₂-C₅-alkinyl group, or a trifluoromethyl group.
- 5. Compounds of general formula I according to claim 1, wherein
- Y represents R^{20} , if Z and W together represent an oxygen atom,

and

R¹⁷ and R¹⁷ together represent an oxygen atom,

or

- R¹⁷ represents hydrogen, or -OH;
- R¹⁷ represents hydrogen, -OH, C₁-C₄-alkyl group, C₂-C₅-alkenyl group, a C₂-C₅-alkinyl group, or a trifluoromethyl group.
- 6. Compounds according to claim 1, namely

 11β -[(R) 6,6,6-Trifluoro-5-hydroxyhexyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol (Diastereomer 1),

 11β -[(S) 6,6,6-Trifluoro-5-hydroxyhexyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol (Diastereomer 2),

 11β -[7,7,7-Trifluoro-6-hydroxyheptyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol (Diastereomer 1),

 11β -[7,7,7-Trifluoro-6-hydroxyheptyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol (Diastereomer 2),

 11β -[8,8,8-Trifluoro-7-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol, (Diastereomer 1),

11β-[8,8,8-Trifluoro-7-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-triene-3,17β-diol (Diastereomer 2),

 11β -[6,6,6-Trifluoro-5-hydroxy-5-(trifluoromethyl)hexyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol,

 $11\beta\hbox{-}[7,7,7\hbox{-}Trifluoro\hbox{-}6\hbox{-}hydroxy\hbox{-}6\hbox{-}(trifluoromethyl)heptyl]\hbox{-}8\hbox{-}vinyl\hbox{-}estra-}\\ 1,3,5(10)\hbox{-}triene\hbox{-}3,17\beta\hbox{-}diol,$

 $11\beta-[8,8,8-Trifluoro-7-hydroxy-7-(trifluoromethyl)octyl]-8-vinyl-estra-1,3,5(10)-triene-3,17\beta-diol,$

 11β -[7,7,7,6,6-Pentafluoro-5-hydroxyheptyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol (Diastereomer 1),

 11β -[7,7,7,6,6-Pentafluoro-5-hydroxyheptyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol (Diastereomer 2),

 11β -[8,8,8,7,7-Pentafluoro-6-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol (Diastereomer 1),

 11β -[8,8,8,7,7-Pentafluoro-6-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol (Diastereomer 2),

 11β -[9,9,9,8,8-Pentafluoro-7-hydroxynonyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol (Diastereomer 1),

 11β -[9,9,9,8,8-Pentafluoro-7-hydroxynonyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol (Diastereomer 2),

 11β -[8,8,8,7,7,6,6-Heptafluoro-5-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol (Diastereomer 1),

 11β -[8,8,8,7,7,6,6-Heptafluoro-5-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol (Diastereomer 2),

11β-[9,9,9,8,8,7,7-Heptafluoro-6-hydroxynonyl]-8-vinyl-estra-1,3,5(10)-triene-3,17β-diol (Diastereomer 1),

 11β -[9,9,9,8,8,7,7-Heptafluoro-6-hydroxynonyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol (Diastereomer 2),

 11β -[10,10,10,9,9,8,8-Heptafluoro-7-hydroxydecyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol (Diastereomer 1),

 $11\beta\hbox{-}[10,10,10,9,9,8,8\hbox{-}Heptafluoro\hbox{-}7-hydroxydecyl]\hbox{-}8-vinyl\hbox{-}estra\hbox{-}1,3,5(10)-}$ triene-3,17 β -diol (Diastereomer 2),

11β-(5-Bromopentyl)-8-vinyl-estra-1,3,5(10)-triene-3,17β-diol,
11β-[5-(Methylamino)pentyl]-8-vinylestra-1,3,5(10)-triene-3,17β-diol,
11β-[5-(Dimethylamino)pentyl]-8-vinylestra-1,3,5(10)-triene-3,17β-diol,
11β-[5-(Pyrrolidin-1-yl)pentyl]-8-vinylestra-1,3,5(10)-triene-3,17β-diol,
11β-[5-(1-Piperidyl)pentyl]-8-vinylestra-1,3,5(10)-triene-3,17β-diol,

11β-(5-Morpholinopentyl)-8-vinylestra-1,3,5(10)-triene-3,17β-diol,
11β-{5-[Methyl(9,9,9,8,8-pentafluorononyl)amino]pentyl}-8-vinylestra-

1,3,5(10)-triene-3,17β-diol,

 11β -{5-[(9,9,9,8,8,7,7-Heptafluorononyl)methylamino]pentyl}-8-vinylestra-1,3,5(10)-triene-3,17 β -diol,

 $11\beta-\{5-[Methyl(octanoyl)amino]pentyl\}-8-vinyl-estra-1,3,5(10)-triene-3,17\beta-diol,$

 11β -(6-Chlorohexyl)-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol,

11β-[6-(Methylamino)hexyl]-8-vinylestra-1,3,5(10)-triene-3,17β-diol,

11β-[6-(Dimethylamino)hexyl]-8-vinylestra-1,3,5(10)-triene-3,17β-diol,

 11β -[6-(Pyrrolidin-1-yl)hexyl]-8-vinylestra-1,3,5(10)-triene-3,17 β -diol,

 11β -[6-(1-Piperidyl)hexyl]-8-vinylestra-1,3,5(10)-triene-3,17 β -diol,

11β-(6-Morpholinohexyl)-8-vinylestra-1,3,5(10)-triene-3,17β-diol,

 11β -{6-[Methyl(9,9,9,8,8-pentafluorononyl)amino]hexyl}-8-vinylestra-1,3,5(10)-triene-3,17 β -diol,

 11β -{6-[(9,9,9,8,8,7,7-Heptafluorononyl)methylamino]hexyl}-8-vinylestra-1,3,5(10)-triene-3,17 β -diol,

 $11\beta-\{6-[Methyl(octanoyl)amino]hexyl\}-8-vinyl-estra-1,3,5(10)-triene-3,17\beta-diol,$

11 β -(7-Bromoheptyl)-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol,

11β-[7-(Methylamino)heptyl]-8-vinylestra-1,3,5(10)-triene-3,17β-diol,

 11β -[7-(Dimethylamino)heptyl]-8-vinylestra-1,3,5(10)-triene-3,17 β -diol,

 11β -[7-(Pyrrolidin-1-yl)heptyl]-8-vinylestra-1,3,5(10)-triene-3,17 β -diol,

 11β -[7-(1-Piperidyl)heptyl]-8-vinylestra-1,3,5(10)-triene-3,17 β -diol,

 11β -(7-Morpholinoheptyl)-8-vinylestra-1,3,5(10)-triene-3,17 β -diol,

 11β -{7-[Methyl(9,9,9,8,8-pentafluorononyl)amino]heptyl}-8-vinylestra-1,3,5(10)-triene-3,17 β -diol,

 11β -{7-[(9,9,9,8,8,7,7-Heptafluorononyl)methylamino]heptyl}-8-vinylestra-1,3,5(10)-triene-3,17 β -diol,

 $11\beta-\{7-[Methyl(octanoyl)amino]heptyl\}-8-vinyl-estra-1,3,5(10)-triene-3,17\beta-diol,$

N-nButyl-N-methyl-5-[3,17 β -dihydroxy-8-vinylestra-1,3,5(10)-trien-11 β -yl]valeramide,

N-nButyl-N-methyl-6-[3,17 β -dihydroxy-8-vinylestra-1,3,5(10)-trien-11 β -yl]capronamide,

N-nButyl-N-methyl-7-[3,17 β -dihydroxy-8-vinylestra-1,3,5(10)-trien-11 β -yl]enanthoamide,

11β-(5-Thiocyanatopentyl)-8-vinylestra-1,3,5(10)-triene-3,17β-diol,

11β-(6-Thiocyanatohexyl)-8-vinylestra-1,3,5(10)-triene-3,17β-diol,

11β-(7-Thiocyanatoheptyl)-8-vinylestra-1,3,5(10)-triene-3,17β-diol,

6-[3,17β-Dihydroxy-8-vinylestra-1,3,5(10)-trien-11β-yl]capronitrile,

7-[3,17 β -Dihydroxy-8-vinylestra-1,3,5(10)-trien-11 β -yl]enanthonitrile,

17β-Hydroxy-11β-[(R) 6,6,6-trifluoro-5-hydroxyhexyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 1),

17β-Hydroxy-11β-[(S) 6,6,6-trifluoro-5-hydroxyhexyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 2),

 17β -Hydroxy- 11β -[7,7,7-trifluoro-6-hydroxyheptyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 1),

 17β -Hydroxy- 11β -[7,7,7-trifluoro-6-hydroxyheptyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 2),

 17β -Hydroxy- 11β -[8,8,8-trifluoro-7-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate, (Diastereomer 1),

17β-Hydroxy-11β-[8,8,8-trifluoro-7-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 2),

 17β -Hydroxy- 11β -[6,6,6-trifluoro-5-hydroxy-5-(trifluoromethyl)hexyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate,

17β-Hydroxy-11β-[7,7,7-trifluoro-6-hydroxy-6-(trifluoromethyl)heptyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate,

 17β -Hydroxy- 11β -[8,8,8-trifluoro-7-hydroxy-7-(trifluoromethyl)octyl]-8-vinylestra-1,3,5(10)-trien-3-yl-sulfamate,

 17β -Hydroxy- 11β -[7,7,7,6,6-pentafluoro-5-hydroxyheptyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 1),

 17β -Hydroxy- 11β -[7,7,7,6,6-pentafluoro-5-hydroxyheptyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 2),

17β-Hydroxy-11β-[8,8,8,7,7-pentafluoro-6-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 1),

 17β -Hydroxy- 11β -[8,8,8,7,7-pentafluoro-6-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 2),

 17β -Hydroxy- 11β -[9,9,9,8,8-pentafluoro-7-hydroxynonyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 1),

17β-Hydroxy-11β-[9,9,9,8,8-pentafluoro-7-hydroxynonyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 2), 11β -[5-(Dimethylamino)pentyl]- 17β -hydroxy-8-vinylestra-1,3,5(10)-trien-3-yl-sulfamate,

 17β -Hydroxy- 11β -[5-(pyrrolidin-1-yl)pentyl]-8-vinylestra-1,3,5(10)-trien-3-yl-sulfamate,

 17β -Hydroxy- 11β -[5-(1-piperidyl)pentyl]-8-vinylestra-1,3,5(10)-trien-3-yl-sulfamate,

 $17\beta\text{-Hydroxy-}11\beta\text{-(5-morpholinopentyl)-8-vinylestra-}1,3,5(10)\text{-trien-3-yl-sulfamate},$

 $11\beta\mbox{-}[6\mbox{-}(Dimethylamino)hexyl]\mbox{-}17\beta\mbox{-}hydroxy\mbox{-}8\mbox{-}vinylestra\mbox{-}1,3,5(10)\mbox{-}trien\mbox{-}3\mbox{-}yl\mbox{-}sulfamate,$ sulfamate,

 17β -Hydroxy- 11β -[6-(pyrrolidin-1-yl)hexyl]-8-vinylestra-1,3,5(10)-trien-3-yl-sulfamate,

 17β -Hydroxy- 11β -[6-(1-piperidyl)hexyl]-8-vinylestra-1,3,5(10)-trien-3-yl-sulfamate,

 17β -Hydroxy- 11β -(6-morpholinohexyl)-8-vinylestra-1,3,5(10)-trien-3-yl-sulfamate,

 $11\beta-[7-(Dimethylamino)heptyl]-17\beta-hydroxy-8-vinylestra-1,3,5(10)-trien-3-yl-sulfamate,\\$

 17β -Hydroxy- 11β -[7-(pyrrolidin-1-yl)heptyl]-8-vinylestra-1,3,5(10)-trien-3-yl-sulfamate,

 17β -Hydroxy- 11β -[7-(1-piperidyl)heptyl]-8-vinylestra-1,3,5(10)-trien-3-yl-sulfamate,

 17β -Hydroxy-11 β -(7-morpholinoheptyl)-8-vinylestra-1,3,5(10)-trien-3-yl-sulfamate,

11β-[7,7,6-Trifluoro-5-hydroxyhept-6-enyl]-8-vinyl-estra-1,3,5(10)-triene- $3,17\beta$ -diol (Diastereomer 1), 11β-[7,7,6-Trifluoro-5-hydroxyhept-6-enyl]-8-vinyl-estra-1,3,5(10)-triene-3,17β-diol (Diastereomer 2), 11β-[8,8,7-Trifluoro-6-hydroxyoct-7-enyl]-8-vinyl-estra-1,3,5(10)-triene- $3,17\beta$ -diol (Diastereomer 1), 11β-[8,8,7-Trifluoro-6-hydroxyoct-7-enyl]-8-vinyl-estra-1,3,5(10)-triene- $3,17\beta$ -diol (Diastereomer 2), 11β-[9,9,8-Trifluoro-7-hydroxynon-8-enyl]-8-vinyl-estra-1,3,5(10)-triene-3,17β-diol (Diastereomer 1), 11β-[9,9,8-Trifluoro-7-hydroxynon-3-enyl]-8-vinyl-estra-1,3,5(10)-triene- $3,17\beta$ -diol (Diastereomer 2), 11β-[5-Hydroxyhexyl]-8-vinyl-estra-1,3,5(10)-triene-3,17β-diol (Diastereomer 1), 11β-[5-Hydroxyhexyl]-8-vinyl-estra-1,3,5(10)-triene-3,17β-diol (Diastereomer 2), 11β-[6-Hydroxyheptyl]-8-vinyl-estra-1,3,5(10)-triene-3,17β-diol (Diastereomer 1), 11β-[6-Hydroxyheptyl]-8-vinyl-estra-1,3,5(10)-triene-3,17β-diol (Diastereomer 2), 11β-[7-Hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-triene-3,17β-diol (Diastereomer 1), 11β-[7-Hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-triene-3,17β-diol (Diastereomer

2),

11 β -[5-Methyl-5-hydroxyhexyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol,

 $11\beta\hbox{-[6-Methyl-6-hydroxyheptyl]-8-vinyl-estra-1,3,5} (10)\hbox{-triene-3,17}\beta\hbox{-diol},$

 11β -[7-Methyl-7-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol,

 17α -Methyl- 11β -[(R) 6,6,6-trifluoro-5-hydroxyhexyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol (Diastereomer 1),

 17α -Methyl- 11β -[(S) 6,6,6-trifluoro-5-hydroxyhexyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol (Diastereomer 2),

 17α -Methyl- 11β -[7,7,7-trifluoro-6-hydroxyheptyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol (Diastereomer 1),

 17α -Methyl- 11β -[7,7,7-trifluoro-6-hydroxyheptyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol (Diastereomer 2),

 17α -Methyl-11 β -[8,8,8-Trifluoro-7-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol (Diastereomer 1),

 17α -Methyl- 11β -[8,8,8-trifluoro-7-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-triene-3,17 β -diol (Diastereomer 2).

 17β -Hydroxy- 11β -[8,8,8,7,7,6,6-heptafluoro-5-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 1),

 17β -Hydroxy- 11β -[8,8,8,7,7,6,6-heptafluoro-5-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 2),

 17β -Hydroxy- 11β -[9,9,9,8,8,7,7-heptafluoro-6-hydroxynonyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 1),

 17β -Hydroxy- 11β -[9,9,9,8,8,7,7-heptafluoro-6-hydroxynonyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 2),

 17β -Hydroxy- 11β -[10,10,10,9,9,8,8-heptafluoro-7-hydroxydecyl]-8-vinylestra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 1),

 17β -Hydroxy- 11β -[10,10,10,9,9,8,8-heptafluoro-7-hydroxydecyl]-8-vinylestra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 2),

 17β -Hydroxy- 11β -[7,7,6-trifluoro-5-hydroxyhept-6-enyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 1),

 17β -Hydroxy- 11β -[7,7,6-trifluoro-5-hydroxyhept-6-enyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 2),

 17β -Hydroxy-11 β -[8,8,7-trifluoro-6-hydroxyoct-7-enyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 1),

17β-Hydroxy-11β-[8,8,7-trifluoro-6-hydroxyoct-7-enyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 2),

 17β -Hydroxy-11 β -[9,9,8-trifluoro-7-hydroxynon-8-enyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 1),

 17β -Hydroxy- 11β -[9,9,8-trifluoro-7-hydroxynon-8-enyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 2),

 17β -Hydroxy- 17α -methyl- 11β -[(1R) 6,6,6-trifluoro-5-hydroxyhexyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 1),

 $17\beta\text{-Hydroxy-}17\alpha\text{-methyl-}11\beta\text{-[(S) 6,6,6-trifluoro-5-hydroxyhexyl]-8-vinyl-}$ estra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 2),

 17β -Hydroxy- 17α -methyl- 11β -[7,7,7-trifluoro-6-hydroxyheptyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 1),

 17β -Hydroxy- 17α -methyl- 11β -[7,7,7-trifluoro-6-hydroxyheptyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 2),

 17β -Hydroxy- 17α -methyl- 11β -[8,8,8-trifluoro-7-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 1),

 17β -Hydroxy- 17α -methyl- 11β -[8,8,8-trifluoro-7-hydroxyoctyl]-8-vinyl-estra-1,3,5(10)-trien-3-yl-sulfamate (Diastereomer 2).

- 7. Pharmaceutical compositions that contain at least one compound according to one of the preceding claims as well as a pharmaceutically compatible adjuvant and/or vehicle.
- 8. Pharmaceutical compositions that contain at least one compound according to one of the preceding claims, which, in addition to at least one compound of general formula I according to claim 1, contain at least one compound that is selected from the group of GnRH antagonists, progesterone receptor antagonists, mesoprogestins, gestagens or tissue-selective gestagens.
- 9. Use of the compounds of general formula I according to one of claims 1 to 6 for the production of a pharmaceutical agent.
- 10. Use of the co mpounds of general formula I according to claim 9 for contraception in women.
- 11. Use of the co mpounds of general formula I according to claim 9 for contraception in men.
- 12. Use of the co mpounds of general formula I according to claim 9 for treating benign or malignant proliferative diseases of the ovary.
- 13. Use ac cording to claim 12 for treating ovarian cancer.
- 14. Use ac cording to claim 12 for treating granulosa cell tumors.
- 15. Use ac cording to one of claims 9 to 14, wherein the function of other estrogen-sensitive organs such as the uterus or liver is not impaired.
- 16. I ntermediate products of general formula VI

in which radicals X, R^3 , R^{17} , R^{17° and n have the same meaning as that in general formula I.

17. Intermediate products of general formula VII

in which radicals X, R^3 , R^{17} , R^{17} and n have the same meaning as that in general formula I.

18. Intermediate products of general formula VIII

in which radicals X, R^3 , R^{17} , R^{17} and n have the same meaning as that in general formula I.

19. Intermediate products of general formula IX

in which radicals X, R^3 , R^{17} , R^{17° and n have the same meaning as that in general formula I.